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DEPARTMENT OF THE NAVY

JOINT BASE ANACOSTIA-BOLLING 20 MACDILL BLVD, SUITE 300 WASHINGTON, D.C. 20032-7711

> 5090 Ser December 26, 2017

Karen Crumlish, Branch Chief Drinking Water Branch (3WP21) Water Protection Division U.S. EPA Region 3 1650 Arch Street Philadelphia, PA 19103

Ms. Crumlish:

Enclosed is the Asbestos Report for the December 2017 monitoring period for Joint Base Anacostia-Bolling (JBAB) Anacostia side. Included with the results are the certificates of analysis and the Chain of Custody Forms.

There were no exceedances for this sampling event.

Please mail all correspondence to:

ATTN: Director, Installation Environmental Program Department of the Navy PWD- Joint Base Anacostia-Bolling 370 Brookley Avenue SW JBAB, Washington, DC 20032-0101

If you have any questions or require further information, please contact Ms. Anna Angione at (202) 685-3267 or via email at anna.angione@navy.mil.

Sincerely,

MADINA M. ALHARAZIM

By direction

Enclosures: 1. Asbestos Sample Analysis Results and Chain of Custodies; December 2017



CERTIFICATE OF ANALYSIS

Lab ID 10920

Chain of Custody: 604573

Client:

Inspections Experts, Inc.

9220 Rumsey Road Address:

Columbia, MD 21045

Attention: Kosala De Silva Job Name: WNY

Job Number: 1511-223

P.O. Number: Not Provided

Date Submitted:

12/21/2017

Job Location: Not Provided

Date Analyzed:

12/28/2017

Report Date:

12/28/2017

Date Sampled:

12/21/2017

Person Submitting:

Gayan Kularathu

Summary of Results of Water Borne Asbestos Analysis by TEM - USEPA Method 100.2 and ELAP 198.2

AMA Sample	Client Sample	Sample Type	Sample Aliquot (ml)	Filter Collection (mm²)	Filter Area	Sensitivity (MFL)		Fiber Count		Total Fiber Conc. (MFL)			Long Fiber Conc. (MFL)			Comments
					Analyzed (mm²)	Total	Long	Total	Long	Mean	95% UCL	95% LCL	Mean	95% UCL	95% LCL	
604573-1	JBAB-391	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	
604573-2	JBAB-414	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	
604573-3	JBAB-409	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	
604573-4	JBAB-370	Not Provided	100.0	1047.0	0.0532	0.197	0.197	NAD	NAD	< 0.726	0.726	N/A	< 0.726	0.726	N/A	



CERTIFICATE OF ANALYSIS

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Columbia, MD 21045

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Job Location: Not Provided

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12/28/2017

Report Date:

12/28/2017

Date Sampled:

12/21/2017

Person Submitting: Gayan Kularathu

Summary of Results of Water Borne Asbestos Analysis by TEM - USEPA Method 100.2 and ELAP 198.2

AMA Sample Client Sample Sample Type Sample Aliquot (ml) Filter Collection (mm²)

Filter Area

Sensitivity (MFL) Fiber Count Total Fiber Conc. (MFL)

Long Fiber Conc. (MFL)

Comments

Analyzed (mm²)

Total

Total Long Mean 95% UCL 95% LCL Mean 95% UCL 95% LCL

Client:

EPA Method 100.2 requires analysis of asbestos fibers with a minimum length of 10 um, which are reported in the long fiber concentration columns. AMA Analytical Services, Inc. also documents asbestos structures between 0.5um and 10um in length. Along with the long fibers these are reported in the total fiber concentration columns. Meets with ELAP 198.2 requirements.

Limit of Quantitation:

The Limit of Quantitation (LOQ) for this method is equal to four asbestos fibers. If the sample had no asbestos detected (NAD) the mean asbestos concentration is reported as less than the 95% UCL (upper confidence limit), which is 369 % of the analytical sensitivity. If 1 to 3 fibers were detected, the mean asbestos concentration is reported as less than the 95 % UCL. A lower confidence limit (LCL) does not apply (N/A) for samples in which three or fewer asbestos fibers were detected.

Analytical

Typical analytical sensitivities for drinking water samples should be < 10 MFL for 'total' asbestos and <0.2 MFL for 'long' asbestos fibers. Analytical sensitivities may be much higher for water samples where the high concentration of suspended particulate requires using small aliquots to make usable sample preparations.

Sensitivity: Method of

The method of analysis used is the EPA 100.2.

Analysis:

Asbestos Types:

All results are to be considered preliminary and subject to change unless signed by the Technical Director or Deputy.

Chry = Chrysotile; Amos = Amosite; Croc = Crocidolite; Trem = Tremolite; Actn = Actinolite; Anth = Anthophyllite

Analyst(s): Michael Greenberg

Technical Director

Andreas Saldivar

This report applies only to the sample, or samples, investigated and is not necessarily indicative of the quality or condition of apparently identical or similar products. As a mutual protection to clients, the public, and these Laboratories, this report is submitted and accepted for the exclusive use of the client to whom it is addressed and upon the condition that it is not to be used, in whole or in part, in any advertising or publicity matter without prior written authorization from us. Sample types, locations, and collection protocols are based upon the information provided by the persons submitting them and, unless collected by personnel of these Laboratories, we expressly disclaim any knowledge and liability for the accuracy and completeness of this information. Residual sample material will be discarded in accordance with the appropriate regulatory guidelines, unless otherwise requested by the client. This report must not be used to claim, and does not imply product certification, approval, or endorsement by AIHA or any agency of the Federal Government. All rights reserved. AMA Analytical Services, Inc.



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Focused on Results www.amalab.com
AIHA (#100470) NVLAP (#101143-0) NY ELAP (10920) 4475 Forbes Blvd. • Lanham, MD 20706 (301) 459-2640 • (800) 346-0961 • Fax (301) 459-2643

CHAIN OF CUSTODY

(Please Refer To This Number For Inquires)



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